

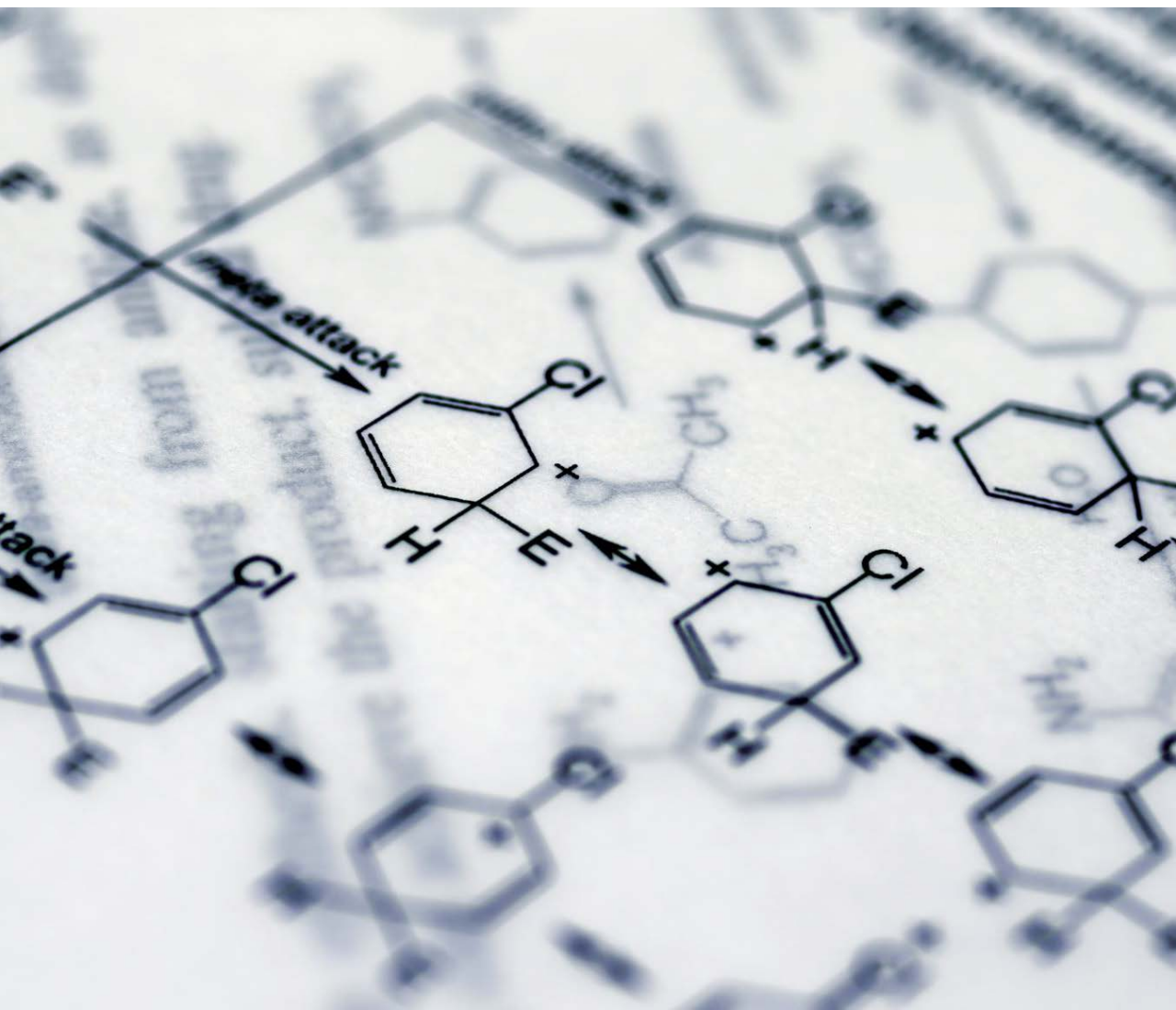
The Role of Reuse of Research Data in Research Studies

A close-up photograph of a DNA microarray. The array consists of a grid of small, colorful spots (red, green, blue, yellow) arranged in vertical columns. A silver pen nib is positioned in the foreground, pointing towards the array. The background is slightly blurred, showing more of the array's structure.

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Introduction



Research data have become a new currency in science (Zenk-Möltgen, Akdeniz, Katsanidou, Naßhoven, Balaban, 2018)

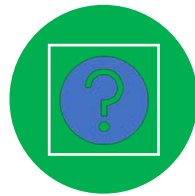
Lack of ease and speed with which researchers can collect large, complex data sets while, at the same time, falling behind with development of the knowledge and skills (Whitmire, Boock, Sutton, 2015)

Managing research data is time-consuming, costly, and tedious, requiring additional resources that are not available to all researchers (Rehnert, Takors, 2023)

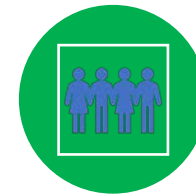
Research study



Facts about sharing, use and storing research data by the Croatian researchers



25 closed type questions and 3 open type questions, total of 28 questions



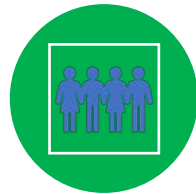
Convenience and snowball sampling methods



Invitation sent to the mailing list of the Croatian researchers

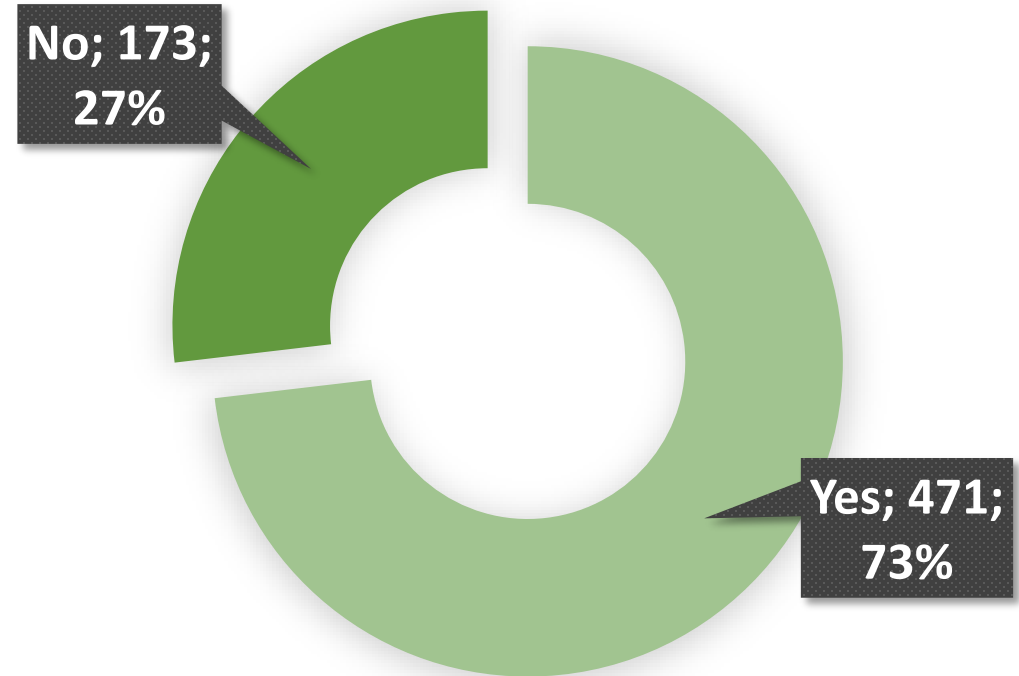


June 28th 2023 to August 31st 2023

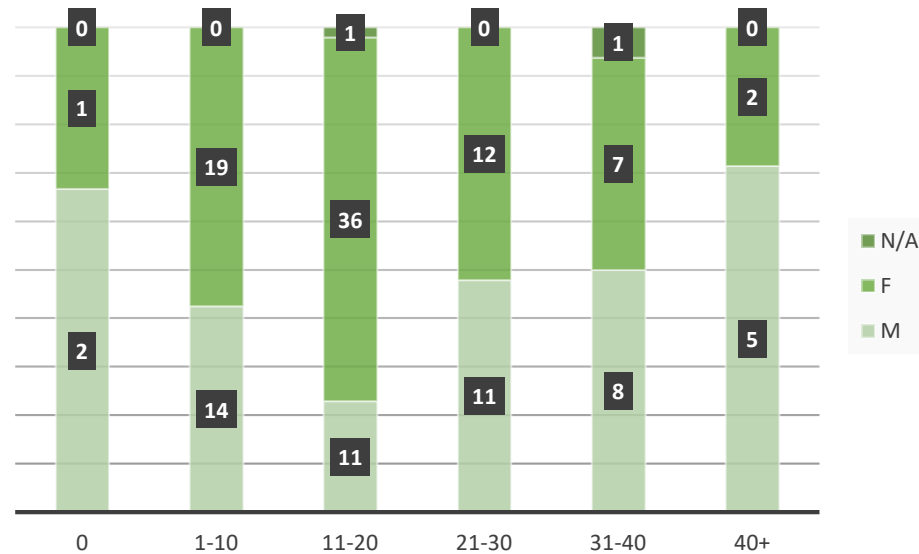
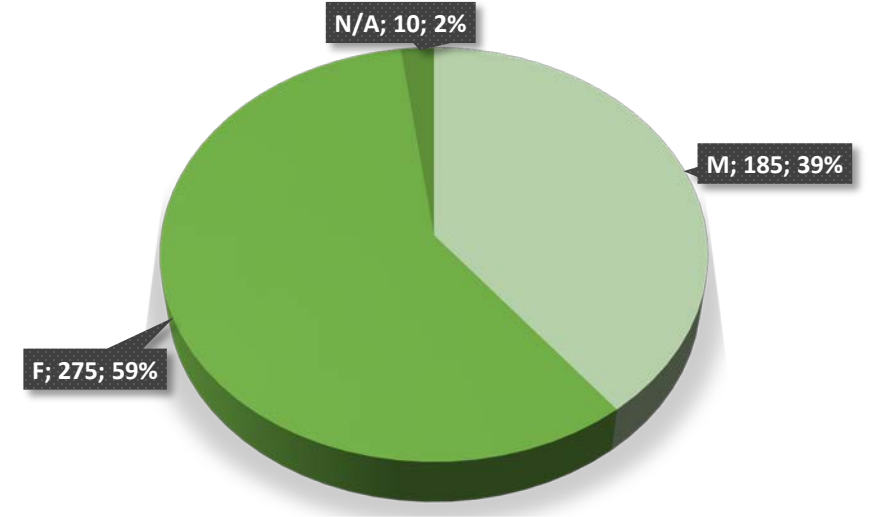
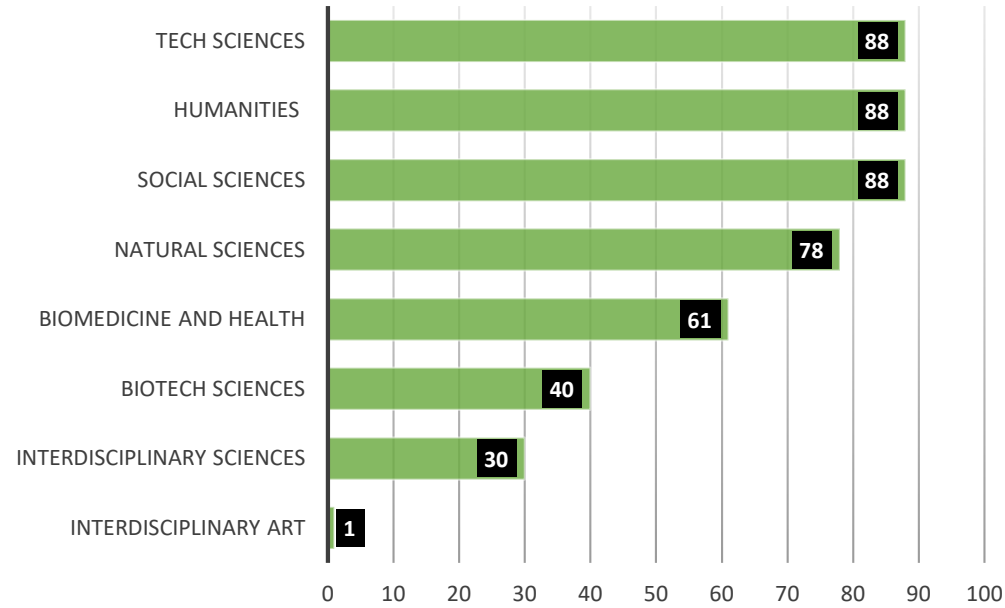


650 respondents who participated at least in some part of the research study

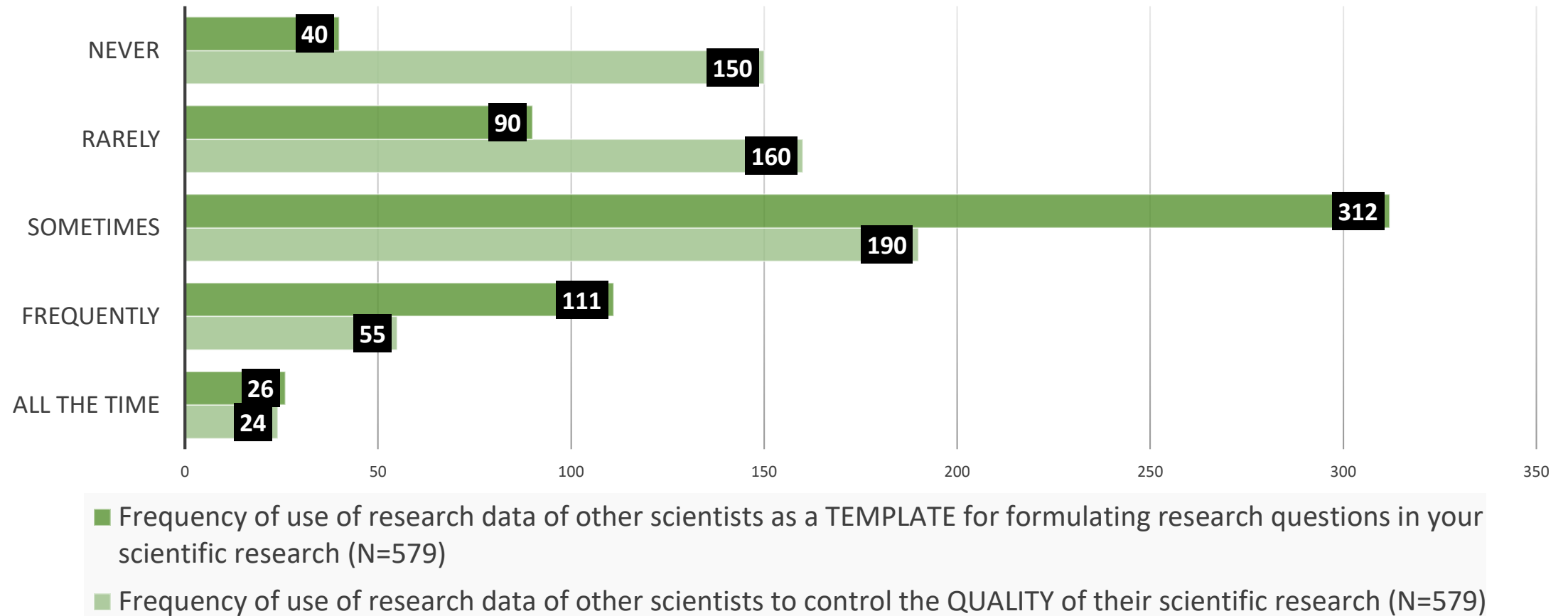
Use of research data created by OTHER scientists for the purposes of your scientific work? (N=644)



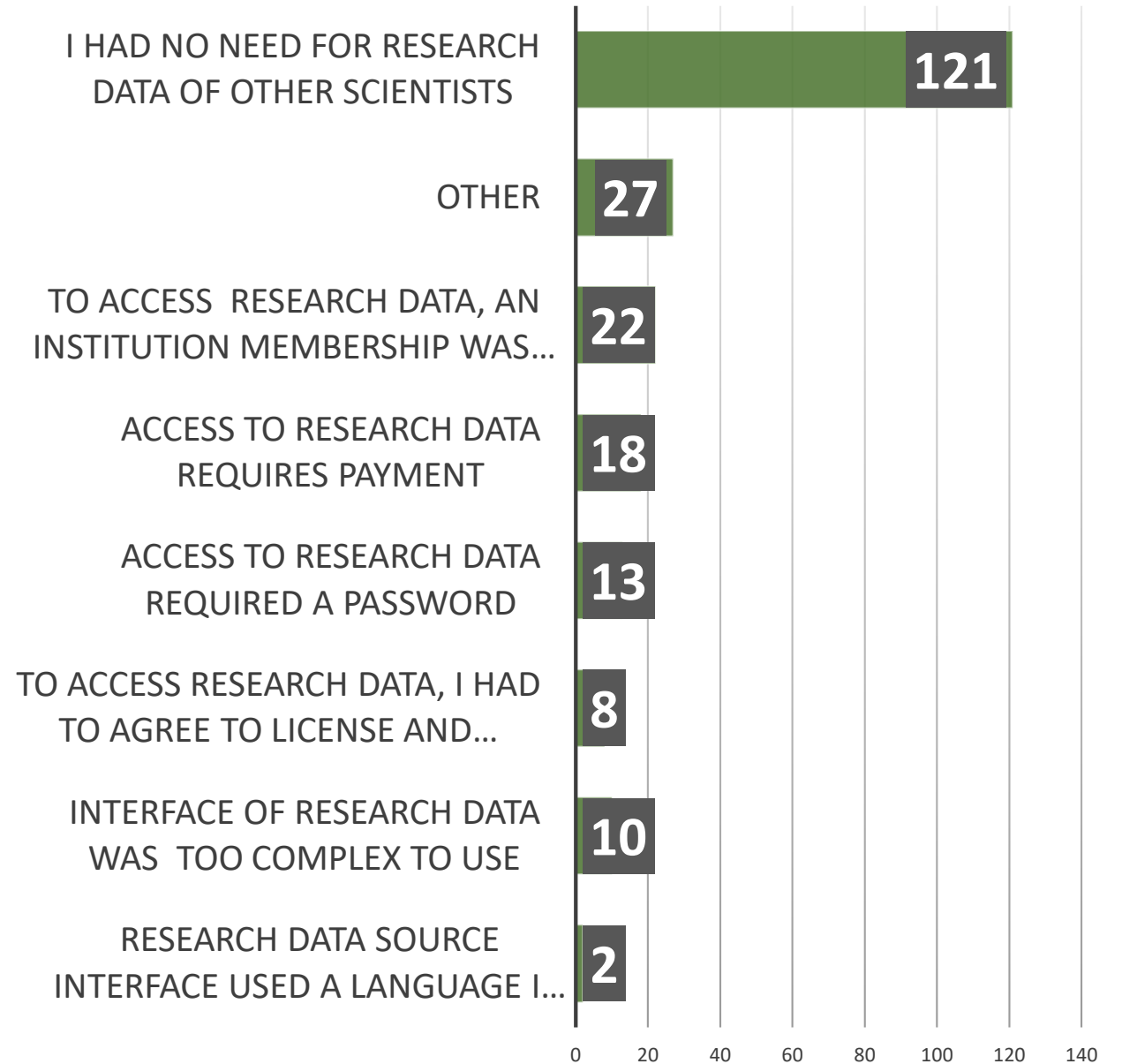
Using other scientists' research data



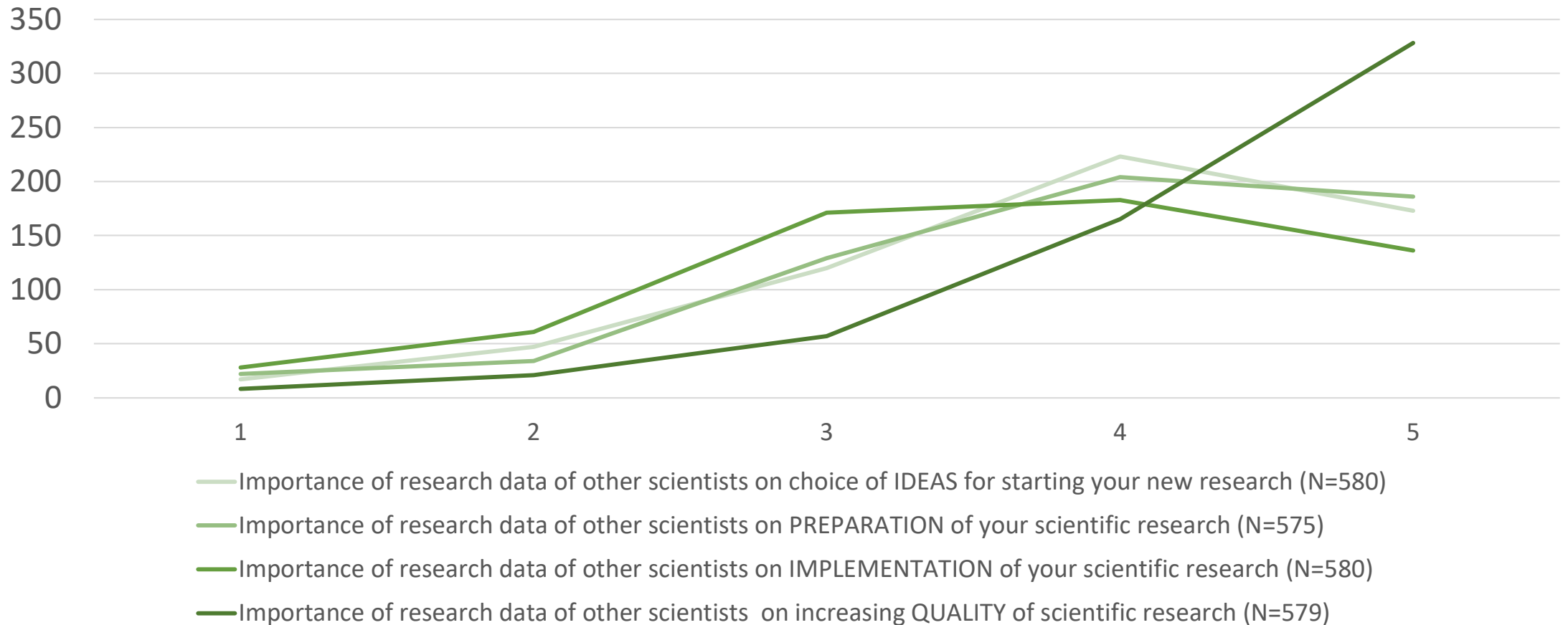
Frequency of use of research data of other scientists + reasons



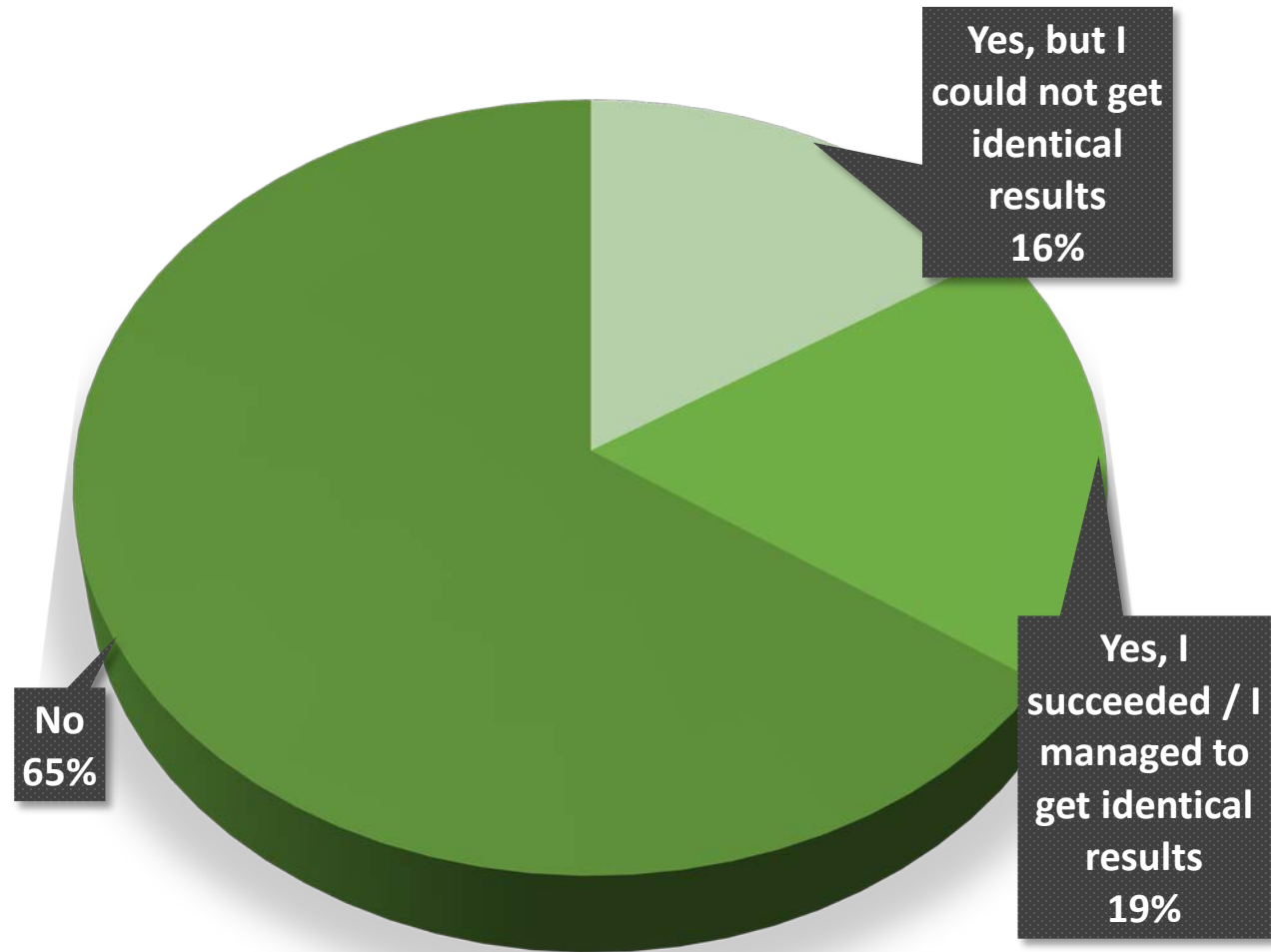
Reasons for not using research data of other scientists (N=173)(multiple answers)



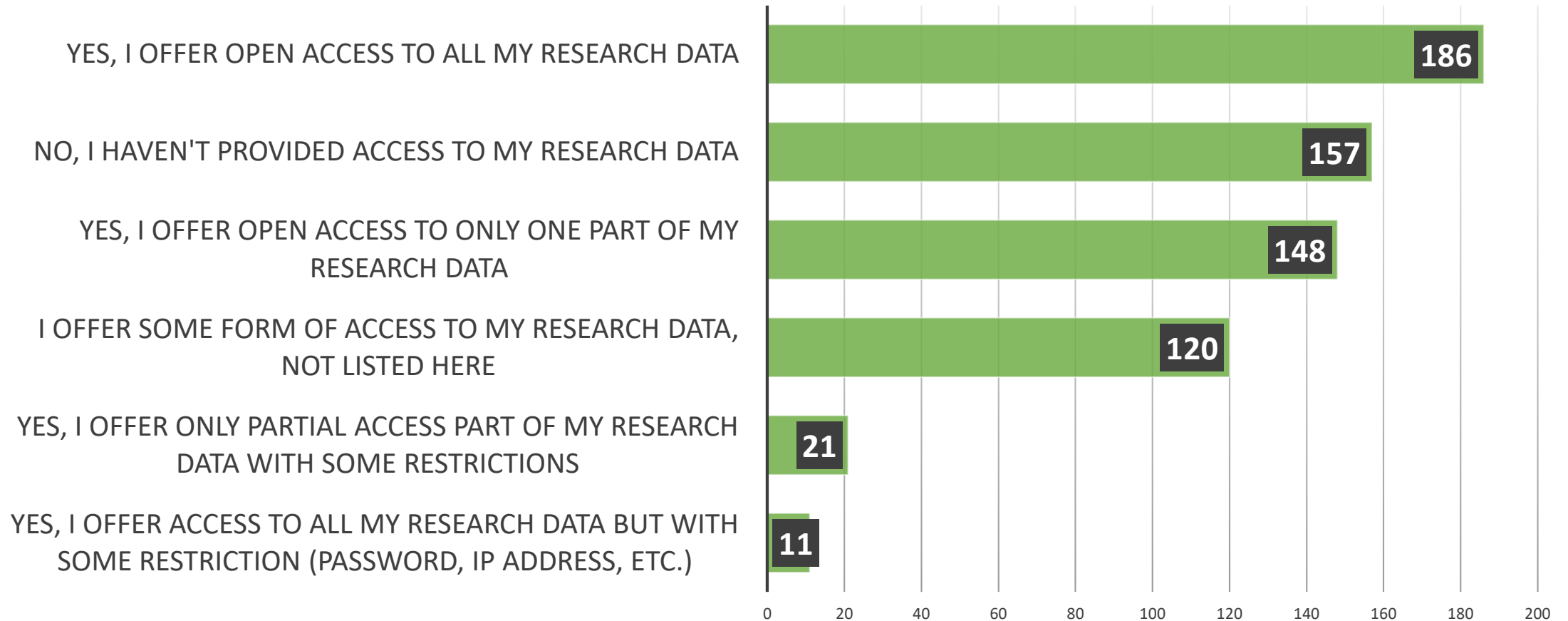
Importance of research data of other scientists (1 – not important at all; 5 – most important)



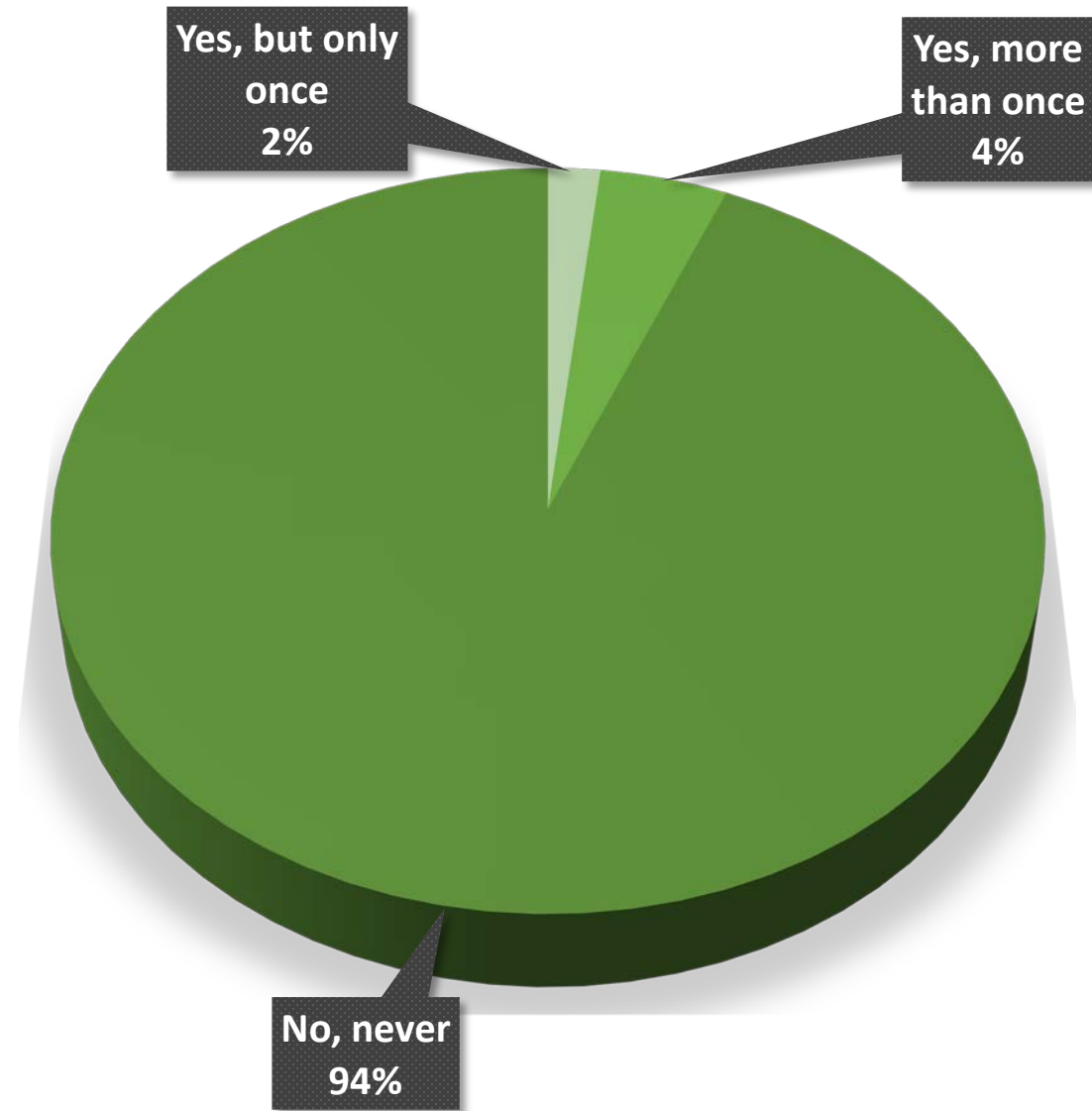
Have you ever tried to repeat the scientific research of another scientist based on the available data of their scientific research? (N=579)



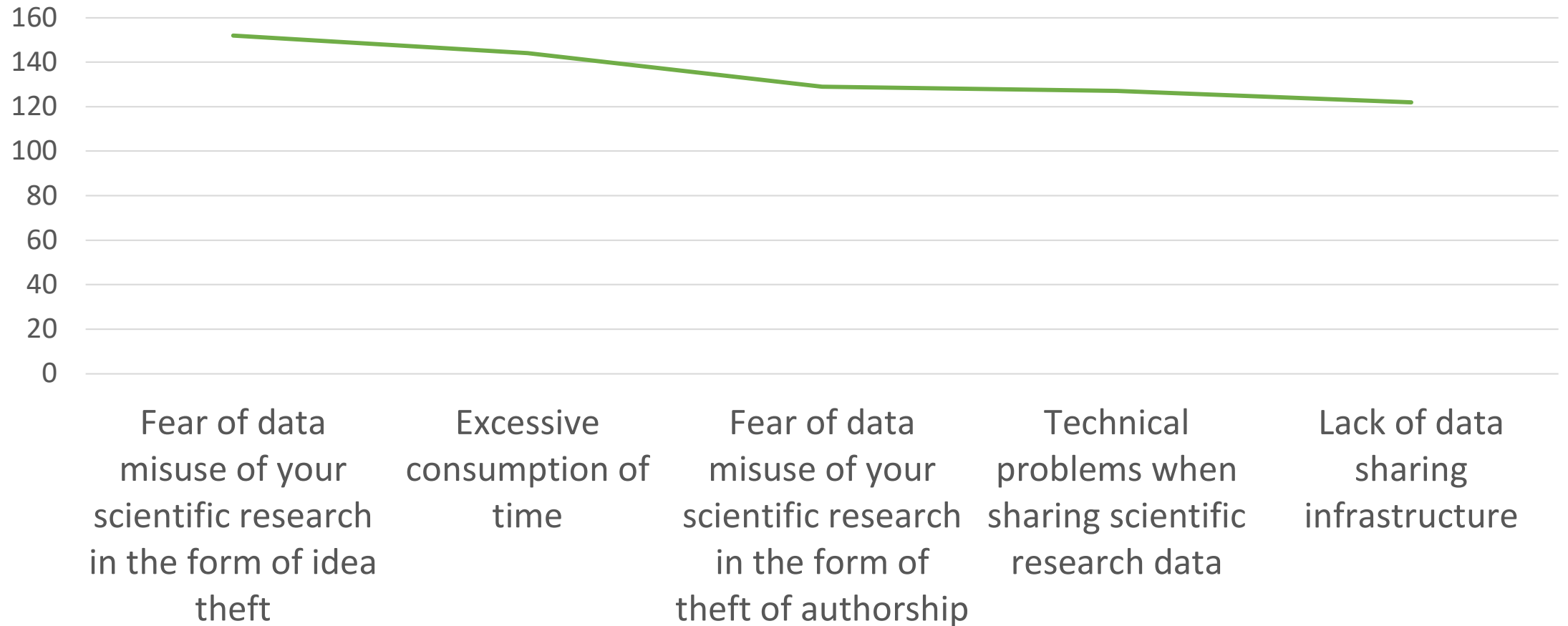
Availability of access to your research data at THIS MOMENT? (N=643)



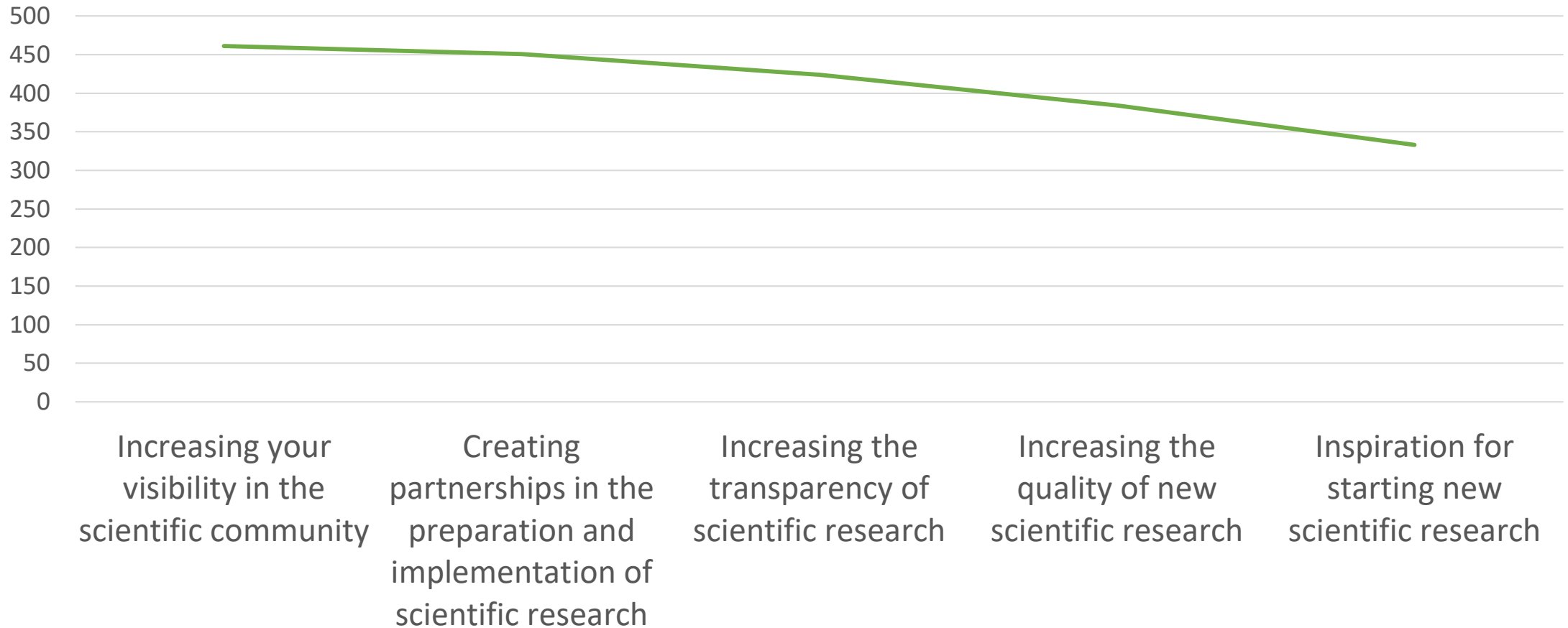
Have you received any form of recognition or reward for making your research data available?(N=488)



Your research data sharing problems (N=638)(top five problems)(multiple answers)



Reasons for providing access to your research data (N=638)(multiple answers)(top five reasons)



Conclusion

- The results suggest encouraging level of use of research data, but differently in different areas of science
- Need for research data and their use varies significantly from one area of science to another
- Different attitudes regarding research data in general
- More information about value and purpose of re-use of data necessary
- Opening access to research data – work in progress („snail’s pace” by John Wilinsky (Stanford Uni.) september 2023)